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NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
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NEWS 15 Jul 30 NETFIRST to be removed from STN
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NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on
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NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002

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=> s multimeric (2a) biopolymer
L1 1 MULTIMERIC (2A) BIOPOLYMER

=> d 11

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 2002:72382 CAPLUS
DN 136:115068

DN 150.11500
TI **Multimeric biopolymers** as structural elements, sensors
and actuators in microsystems
IN Madou, Marc; Bachas, Leonidas G.; Daunert, Sylvia
PA The Ohio State University Research Foundation, USA; University of
Kentucky

Research Foundation
SO PCT Int. Appl., 26 pp.
SCREEN REVIEW

CODEN: PIXXDZ

Patent
Index

LA English
EAN CNT 1

FAN.CNT 1

PATENT NO.		KIND	DATE	APPLICATION NO.		DATE
-----		-----	-----	-----		-----
PI	WO 2002006789	A2	20020124	WO 2001-US22224		20010713
	WO 2002006789	A3	20020411	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,		

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 2001080552 A5 20020130 AU 2001-80552 20010713
 US 2002068295 A1 20020606 US 2001-905041 20010713
 PRAI US 2000-218036P P 20000713
 WO 2001-US22224 W 20010713

=> s biopolymers (2a) proteins or polypeptides
 L2 150332 BIOPOLYMERS (2A) PROTEINS OR POLYPEPTIDES

=> s 12 and synthetic
 L3 7710 L2 AND SYNTHETIC

=> s 13 and multimeric
 L4 19 L3 AND MULTIMERIC

=> dup rem 14
 PROCESSING COMPLETED FOR L4
 L5 11 DUP REM L4 (8 DUPLICATES REMOVED)

=> d 15 1-11

L5 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:353487 CAPLUS
 DN 136:364900
 TI Construction, cloning, recombinant expression and therapeutic use of
 single-chain dimeric granulocyte colony-stimulating factor and other
 single-chain **multimeric** protein conjugates
 IN Nissen, Torben Lauesgaard; Jensen, Anne Dam
 PA Maxygen Aps, Den.; Maxygen Holdings Ltd.
 SO PCT Int. Appl., 108 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002036626	A1	20020510	WO 2001-DK724	20011101
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002012108	A5	20020515	AU 2002-12108	20011101
	US 2002142964	A1	20021003	US 2001-3496	20011101
PRAI	DK 2000-1647	A	20001102		
	US 2000-245727P	P	20001102		
	WO 2001-DK724	W	20011101		
RE.CNT	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L5 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2002:72382 CAPLUS
DN 136:115068
TI **Multimeric** biopolymers as structural elements, sensors and actuators in microsystems
IN Madou, Marc; Bachas, Leonidas G.; Daunert, Sylvia
PA The Ohio State University Research Foundation, USA; University of Kentucky
Research Foundation
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002006789	A2	20020124	WO 2001-US22224	20010713
	WO 2002006789	A3	20020411		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2001080552	A5	20020130	AU 2001-80552	20010713
	US 2002068295	A1	20020606	US 2001-905041	20010713
PRAI	US 2000-218036P	P	20000713		
	WO 2001-US22224	W	20010713		

L5 ANSWER 3 OF 11 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 1999283164 EMBASE
TI Stepwise solid-phase synthesis of polyamides as linkers.
AU Rose K.; Vizzavona J.
CS ~~K. Rose, Department of Medical Biochemistry, University Medical Center, 1 rue Michel Servet, CH - 1211 Geneva 4, Switzerland~~
SO Journal of the American Chemical Society, (4 Aug 1999) 121/30 (7034-7038).

ISSN: 0002-7863 CODEN: JACSAT
CY United States
DT Journal; Article
FS 029 Clinical Biochemistry
037 Drug Literature Index
LA English
SL English

L5 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:70733 BIOSIS
DN PREV200000070733
TI Prolonged circulating lives of single-chain Fv proteins conjugated with polyethylene glycol: A comparison of conjugation chemistries and compounds.
AU Lee, L. Stanford (1); Conover, Charles; Shi, Celine; Whitlow, Marc; Filpula, David (1)
CS (1) Enzon Inc./SCA Ventures, 20 Kingsbridge Road, Piscataway, NJ USA
SO Bioconjugate Chemistry, (Nov. Dec., 1999) Vol. 10, No. 6, pp. 973-981.
ISSN: 1043-1802.
DT Article
LA English
SL English

L5 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2
AN 1994:32306 BIOSIS
DN PREV199497045306
TI Identification of Trk binding sites for SHC and phosphatidylinositol
3'-kinase and formation of a **multimeric** signaling complex.
AU Obermeier, Axel; Lammers, Reiner; Wiesmueller, Karl-Heinz; Jung,
Guenther;
Schlessinger, Joseph; Ullrich, Axel (1)
CS (1) Dep. Mol. Biol., Max-Planck-Inst. Biochem., Am Klopferspitz, 18A,
82152 Martinsried Germany
SO Journal of Biological Chemistry, (1993) Vol. 268, No. 31, pp.
22963-22966.
ISSN: 0021-9258.
DT Article
LA English

L5 ANSWER 6 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
AN 1994:18073 BIOSIS
DN PREV199497031073
TI Branched **polypeptides** as antigens for influenza virus
hemagglutinin and T-cell receptor subunits.
AU Toth, Gabok K. (1); Varadi, G.; Nagy, Z.; Monostori, E.; Penke, B.;
Hegedus, Z.; Ando, I.; Fazekas, G.; Kurucz, I.; Mak, M.; Rajnavolgyi, E.
CS (1) Dep. Med. Chemistry, A. Szent-Gyorgyi Med. Univ., H-6720 Szeged, Dom
8
Hungary
SO Peptide Research, (1993) Vol. 6, No. 5, pp. 272-280.
ISSN: 1040-5704.
DT Article; General Review
LA English

L5 ANSWER 7 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:476855 BIOSIS
DN PREV199396110455
TI A homology model of human interferon alpha-2.
AU Murgolo, Nicholas J. (1); Windsor, William T.; Hruza, Alan; Reichert,
Paul; Tsarbopoulos, Anthony; Baldwin, Samuel; Huang, Eric; Pramanik,
Birendra; Ealick, Steven; Trotta, Paul P.
CS (1) Schering-Plough Research Inst., 2015 Galloping Hill Rd., Kenilworth,
NJ 07033 USA
SO Proteins Structure Function and Genetics, (1993) Vol. 17, No. 1, pp.
62-74.
ISSN: 0887-3585.
DT Article
LA English

L5 ANSWER 8 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:369971 BIOSIS
DN BA94:52021
TI PROPERTIES OF PERTUSSIS TOXIN B OLIGOMER ASSEMBLED IN-VITRO FROM
RECOMBINANT **POLYPEPTIDES** PRODUCED BY *ESCHERICHIA-COLI*.
AU BURNETTE W N; ARGINIEGA J L; MAR V L; BURNS D L
CS AMGEN INC., AMGEN CENTER, THOUSAND OAKS, CALIFORNIA 91320-1789.
SO INFECT IMMUN, (1992) 60 (6), 2252-2256.
CODEN: INFIBR. ISSN: 0019-9567.
FS BA; OLD
LA English

L5 ANSWER 9 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:94489 BIOSIS
DN PREV199395049685
TI Purification and properties of the RuvA and RuvB proteins of Escherichia coli.
AU Tsaneva, Irina R.; Illing, Graham; Lloyd, Robert G.; West, Stephen C. (1)
CS (1) Imperial Cancer Res. Fund, Clare Hall Lab., South Mimms, Herts EN6
3LD
UK
SO Molecular & General Genetics, (1992) Vol. 235, No. 1, pp. 1-10.
ISSN: 0026-8925.
DT Article
LA English

L5 ANSWER 10 OF 11 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 4
AN 91003411 EMBASE
DN 1991003411
TI Simultaneous in situ detection of DNA polymerase and associated exonucleases following SDS-polyacrylamide gel electrophoresis.
AU Longley M.J.; Mosbaugh D.W.
CS Dept. Agricultural Chemistry, Oregon State University, Corvallis, OR 97331,
United States
SO Methods in Molecular and Cellular Biology, (1989) 1/3 (79-94).
ISSN: 0898-7750 CODEN: MMCBEV
CY United States
DT Journal; Article
FS 022 Human Genetics
029 Clinical Biochemistry
LA English
SL English

L5 ANSWER 11 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 5
AN 1986:161845 BIOSIS
DN BA81:72261
TI MULTIPLE-COPY GENES PRODUCTION AND MODIFICATION OF MONOMERIC PEPTIDES FROM
LARGE MULTIMERIC FUSION PROTEINS.
AU KEMPE T; KENT S B H; CHOW F; PETERSON S M; SUNDQUIST W I; L'ITALIEN J J;
HARBRECHT D; PLUNKETT D; DELORBE W J
CS MOLECULAR GENETICS INC., 10320 BREN ROAD EAST, MINNETONKA, MINN. 55343,
USA.
SO GENE (AMST), (1985 (RECD 1986)) 39 (2-3), 239-246.
CODEN: GENED6. ISSN: 0378-1119.
FS BA; OLD
LA English

=> d 15 3 abs

L5 ANSWER 3 OF 11 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AB Solid-phase peptide synthesis (SPPS) yields well-defined polyamides of repeat unit NH-Z-CO but requires protected derivatives and deprotection steps. Polyamides of repeat unit NH-Y-NH-CO-X-CO (e.g., Nylon 66) are made by polymerizing diacids with diamines, but the absence of protecting groups leads to heterogeneity of chain length. We have produced a new class of polymers by automated solid-phase synthesis without protecting groups: polyamide chains NH-Y-NH-CO-X-CO containing a precise number of

monomer units where X and Y can be varied independently at each step. Dimers and **multimeric** molecules which display phage-derived binding peptides in a **synthetic** construction were easily assembled with these precision length polyamide chains, which can usefully replace **polypeptides** and poly(ethylene glycol) as linkers.

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1	255536	multimeric or polymeric or biopolymer near5 (proteins or polypeptides)	USPAT; US-PGPUB; DERWENT	2002/11/12 16:35
2	1115	(multimeric or polymeric or biopolymer near5 (proteins or polypeptides)) and binding adj1 region	USPAT; US-PGPUB; DERWENT	2002/11/12 16:35
3	520	((multimeric or polymeric or biopolymer near5 (proteins or polypeptides)) and binding adj1 region) and conformation	USPAT; US-PGPUB; DERWENT	2002/11/12 16:36
4	213	((((multimeric or polymeric or biopolymer near5 (proteins or polypeptides)) and binding adj1 region) and conformation) and three-dimensional	USPAT; US-PGPUB; DERWENT	2002/11/12 16:37
6	13	((((multimeric or polymeric or biopolymer near5 (proteins or polypeptides)) and binding adj1 region) and conformation) and three-dimensional) and signal) and hydroxides	USPAT; US-PGPUB; DERWENT	2002/11/12 16:37
5	193	((((multimeric or polymeric or biopolymer near5 (proteins or polypeptides)) and binding adj1 region) and conformation) and three-dimensional) and signal	USPAT; US-PGPUB; DERWENT	2002/11/12 16:40